

**Mouse IgG + IgM (H&L) Goat Polyclonal Pre-Adsorbed
ATS-SELECT SECONDARY ANTIBODY**

Catalog Number: AS-238
Quantity: 1 milligram
Format: IgG, Liquid (sterile filtered)
Host: Goat
Immunogen: Mouse IgG and IgM whole molecules

Background: Anti-Mouse IgG + IgM Antibody generated in Goat detects reactivity to Mouse IgG and IgM. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Mouse IgG + IgM Antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.

Specificity & Preparation: This product was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG and Mouse IgM. No reaction was observed against bovine, horse or human serum proteins.

Usage: Anti-Mouse IgG + IgM antibody has been tested by ELISA and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

ELISA 1:100,000

Immunohistochemistry 1:2,000 - 1:10,000

Western Blot 1:5,000 - 1:20,000

Working dilutions must be determined by end user.

Storage: Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

To view protocol(s) for this and other products please visit: www.ATSBio.com/library/protocols